

- 1 What is claimed is:
- 2 1. A method for video indexing using still images, comprising:
- 3 acquiring still images during a video sequence recording using an image/video
- 4 acquisition device;
- 5 processing and transmitting the video sequence and the still images by the
- 6 image/video acquisition device; and
- 7 indexing the video sequence using the still images, whereby a user can selectively
- 8 view the video sequence using the still images as video indices.
- 9 2. The method of claim 1, wherein the acquiring step includes acquiring high
- 10 resolution still images during the video sequence recording.
- 11 3. The method of claim 1, wherein the acquiring step includes pressing a button on
- 12 the image/video acquisition device to acquire the still images during the video sequence
- 13 recording.
- 14 4. The method of claim 1, further comprising storing the video sequence and the still
- 15 images in a storage.
- 16 5. The method of claim 4, wherein the storing step includes storing the video
- 17 sequence and the still images in a local storage on the image/video acquisition device.
- 18 6. The method of claim 4, wherein the storing step includes storing the video
- 19 sequence and the still images on a server connected to a network.
- 20 7. The method of claim 6, further comprising sending the video sequence and the
- 21 still images to other users through the network, whereby the other users can selectively
- 22 view the video sequence using the still images as the video indices.
- 23 8. The method of claim 1, further comprising using a computer to selectively view
- 24 the video sequence using the still images as the video indices.
- 25 9. The method of claim 8, further comprises clicking on the still images from the
- 26 computer to start viewing the video sequence from a point in time associated with the still
- 27 images.
- 28 10. The method of claim 8, further comprising printing the still images on a printer.
- 29 11. An apparatus for video indexing using still images, comprising:
- 30 an image/video acquisition device capable of acquiring still images during a video
- 31 sequence recording, wherein the image/video acquisition device can process and transmit
- 32 the video sequence and the still images in parallel; and
- 33 a storage capable of storing the video sequence and the still images for retrieval by
- 34 a user,

1 wherein the user can selectively view the video sequence using the still images as
2 video indices.

3 12. The apparatus of claim 11, further comprising a computer that is used to
4 selectively view the video sequence using the still images as the video indices.

5 13. The apparatus of claim 11, further comprising a network capable of sending the
6 video sequence and the still images to other users, whereby the other users can selectively
7 view the video sequence using the still images as the video indices.

8 14 The apparatus of claim 12, wherein the storage is a server connected to the
9 network.

10 15. The apparatus of claim 11, wherein the image/video acquisition device is a joint
11 video and still image pipeline camera.

12 16. The apparatus of claim 11, wherein the still images have higher resolution than the
13 video sequence.

14 17. A computer readable medium providing instructions for video indexing using still
15 images, the instructions comprising:

16 receiving still images within a video sequence acquired by a join video and still
17 image pipeline camera; and

18 indexing the video sequence using the still images, whereby a user can selectively
19 view the video sequence using the still images as video indices.

20 18. The computer readable medium of claim 17, wherein the instructions for receiving
21 still images includes instructions for receiving high resolution still images.

22 19. The computer readable medium of claim 17, further comprising instructions for
23 displaying the still images on a display device as labeled icons for easy indexing.

24 20. The computer readable medium of claim 17, further comprising instructions for
25 sending the video sequence and the still images to other users through a network,
26 whereby the other users can selectively view the video sequence using the still images as
27 the video indices.